

SAMPLE

BOMB PROBLEM

JOV-LC

ARMED MOHAWK

3/1965

OV-1 MCHAWK GUNNERY

The following problems pertain to the determination for a sight angle setting under varying attack conditions and for various types of bombs.

The fundamental equation to be solved is:

$$S = D / A / B / P$$

Each term for this equation will be treated separately and discussed in detail.

S is defined as the sight angle for the given attack condition and type of bomb to achieve effect on the target.

D is defined as trajectory drop. This item is determined by entering the appropriate firing table contained in CP 2225, Bomb Ballistic Tables for Dive Bombing.

The required information for entry into the appropriate tables is

as follows:

Reciprocal Ballistic Coefficient: This is indicated ⁰ by *30* for various types of bombs and is shown in the right hand column of pages 4, 4a, 4b; and 5. Once a reciprocal ballistic coefficient for the particular bomb has been established the appropriate trajectory drop table can be entered to determine the value of D.